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6 December 1963

MEMORANDUM FOR: Chairman, Committee on Overhead Reconnaissance

SUBJECT : Evaluation of Selected China Targets for Coverage by the 112-A Camera

1. National Project J 416-63 of 18 November 1963 required an evaluation by NPIC Photo Interpreters of a list of China Targets indicating any additional information which might be derived as a result of deployment of the 112-A camera system as compared with the "B" camera system.

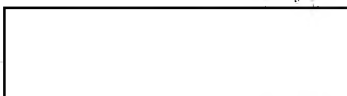
2. Attachment 1, items 1 through 48, reflects the findings of fifteen Photo Interpreters regarding each of the targets listed. These targets have been evaluated based on existing requirements. No attempt was made to estimate to what level 112-A requirements might require analysis.

3. The three priority lists of China Targets have been evaluated with the following general findings:

- 48% notable improvement
- 39% marginal improvement
- 8% "B" mount satisfies requirements
- 5% "B" mount coverage is superior (in that area search is the prime requirement)

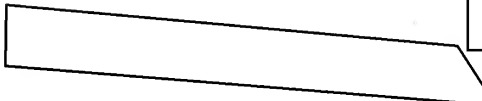
100%

4. There is no doubt among participating PI's that the 112-A system can produce much more detailed information on individual targets, at the expense of area coverage.

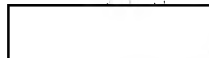
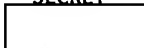


Assistant for Operations, NPIC

Attachment:
As Stated



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GROUP 1
Excluded from automatic
downgrading and declassification

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Item	Comor#	Target Name	Grade	Remarks on 112A Advantages/Disadvantages
1.		Shuang Cheng Tzu Missile Test	1	Construction, Equipment, Missiles and Activity Levels
2.		Peiping Rkt Eng Test Facility	1	Details of Test Stands, Handling Equipment, Rocket Motors & Containers and Piping
3.		Yen Liang Fabrication Plant	2	Raw Materials and Finished Products in Open Storage, Activity Levels and Type of
4.		Cheng-tu Airframe Plant		
5.		Pao-Chi Area, Industrial Complex	1	Missile Components or Transporters
6.		An-Shan Suspect Missile Prod & R&D	4	Area Search, 112A would get 50% at best
7.		Lien Shan Cruise Missile Site	2	Ground Support Equipment would show gains
8.		Shen-Yang Aircraft Engine Plant		
9.		Shen-Yang Airframe Plant #112	2	Raw Materials and Finished Products in Open Storage, Activity Levels and Type of Equipment
10.		Wu-Kung Aircraft Engine Plant		
11.			3	112A offers little or no improvement over B-Mount
12.				
13.		Yen-Kuo Hsia Hydro Power Plant	1	Detailed Structural and Operational Status
14.		Hsing-Lung-Chuang U/I Activity	1	Details of open Storage, Construction Activity, and Significant structures
15.				Details of Construction and Activity Levels could confirm or refute
16.				
17.				Piping, Activity
18.		Hsia-Ho, Probable Research Institute	2	Could confirm or refute existence
19.				B Mount should answer all requirements
20.				Area Search, 112A would cover 50% at best
21.		Hou-Tao-Cheng Submarine Base		Submarine configuration, support equipment including torpedoes and activity level
22.		Lu-Shun Submarine Base		
23.		Hou-Chou-Tao Suspect SS Base		

Item	Country	Target Name	Grade	Remarks	Attachment
24.		Liu-Hsien Explosives Plant		Roof ventilator types, pipelines within plant, rail	
25.	25X2	Tai-Yuan Area, Chemical Plants		tank car configurations	
26.		Chu-chiang Chemical Plant			
27.	25X1	Liao-Yang Sub Arsenal	2	Raw materials and finished products in open storage, activity levels and type of equipment. Rail car configuration and interior blast wall identification	
28.		Radar Sites	1	Fast, positive identification of specific radars and associated equipments	
29.		SAM Radar Site		In actual practice on Cuban Commo Sites, a single 112A mission proved more effective in answering requirements than six good B-Mount coverages	
30.		Shuang Cheng Tzu Communications Site			
31.		Nan Ching Radar Plant #720	1	Raw materials and finished products in open storage, activity levels and type of equipment	25X1
32.	25X1	Tu-Ko-Ma-Ching Test Range	2	Ground support equipment identifications	
33.		Pao-Tou Complex	2	Raw materials and finished products in open storage, activity levels and type of equipment in industrial areas	25X1
34.		Che-Chi, Hydro Electric Power Plant	3	B-Mount answers all requirements	
35.		Tai-Yuan Explosives & Ammo Plant	2	Raw materials and finished products in open storage, activity levels and type of equipment	
36.					
37.					
38.					

- * Key to Grade
1. Notable improvement
 2. Marginal improvement
 3. B-Mount satisfies requirements
 4. B-Mount coverage is superior (area searched)